

Patent claims

1. Alkaline electroplating bath for plating zinc-nickel coatings, having an anode (2) and a cathode (3), characterized in that the anode is separated from the alkaline electrolyte by an ion exchange membrane (6).
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2. Electroplating bath according to claim 1, characterized in that the cathode (3) is separated from the alkaline electrolyte (4) by a perfluorinated cation exchange membrane (6).
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3. Electroplating bath according to claim 1 or 2, characterized by sulfuric acid, phosphoric acid, methanesulfonic acid, amidosulfonic acid and/or phosphonic acid as anolyte (5).
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4. Electroplating bath according to one of claims 1 to 3, characterized by a platinum-coated titanium anode.
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